

## ONEINSTA+

A Unique Nutrient Solution For  
*PALM BASE TREES*



One Biosys Sdn Bhd offers **ONEINSTA+**, a liquid plant nutrient composition increases yield of oilseed palm through optimized nutrient management. It contains essential plant nutrients with maximum each particle surface area for increased metabolic reactions inside the plant, which in turn increases rate of photosynthesis and produce **20-30%** more yield and dry matter of the oil palm harvest. **ONEINSTA+** also protects plant from different biotic and abiotic stress. This formulation is available in liquid, to be applied as root zone soil application and forking, foliar spraying in regulated doses. Further, this will significantly control the fungal and bacterial diseases of crops.

### Composition of ONEINSTA+:

This eco-friendly organic solution contains water soluble forms of all essential minerals for plant growth. The composition includes: Humic acid 2%, Natural Plant Extracts 22%, Boron, Magnesium and other essential micronutrients (in water soluble form).

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ISO 9001:2015 Certified

**One BioSys Sdn Bhd**

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## METHOD OF ONEINSTA+ APPLICATION:

**Method 1:** The **ONEINSTA+** solution is preferably applied in two equal split doses during May - June and September - October by uniformly spreading them within a 2-meter circle around the base of the palm and forking to incorporate them into the root zone.

**Method 2:** During the initial years **ONEINSTA+** to be applied as foliar spraying on the crown canopy and flower bunches. In the case of older palms, the solution is applied depending on the concentration of roots and are usually applied in the weeded circle with irrigation water.

### General schedule for all crops:

1) Apply 50 ml of **ONEINSTA+** solution for each palm tree of 4 years of age as foliar spray. The dose will increase @ 5% per year of plant growth. The foliar spraying should be done once in a month (@ 30 days interval) or as per the critical growth stages of each crop. For a 90 days crop 2 to 3 spraying is sufficient to get the desired result.

Foliar spray: Apply @ 20 ml **ONEINSTA+** / liter water as foliar spray at every 25-30 days interval till the fruit is well developed. The spraying of **ONEINSTA+** may continue till the full growth of the fruits in the bunch of each plant. Farmer can reduce 15-20% of fertilizer dose when **ONEINSTA+** is used.

Soil application: **ONEINSTA+** can be added with irrigation water @ 100 ml per liter of irrigation water during irrigation once in a month or during irrigation.

### **Functions of ONEINSTA+:**

1. **ONEINSTA+** application mitigates characteristic yellowing symptoms due to N deficiency conditions. **ONEINSTA+** enhances rapid growth and fruiting of the palm. It increases the leaf production rate, leaf area, net assimilation rate, number of bunches and bunch weight. Excessive application of nitrogen increases the production of male inflorescence and decreases female inflorescence thereby reducing the sex ratio.
2. **ONEINSTA+** application increases the bunch production rate, bunch weight, number of female inflorescences and thereby the
3. **ONEINSTA+** will reduce magnesium deficiency in adult oil palm and in seedlings in the field. There will be minimal magnesium deficiency named as 'orange frond'. if **ONEINSTA+** is regularly applied.

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4. **ONEINSTA+** contains micronutrient elements Boron which will effectively reduce deficiency in young palms in the field. The **ONEINSTA+** will prevent symptoms of showing a reduction of leaf area in certain leaves producing incipient 'little leaf', advanced 'little leaf' with extreme reduction of leaf area and bunching and reduction in the number of leaflets and 'fish-bone' leaf. This nutrient solution will prevent leaf malformations including 'hook leaf' and corrugated leaflets are some other associated symptoms.

**BENEFITS OF ONEINSTA+:**

1. Increase the plant growth.
2. Leaf numbers, size, and chlorophyll content increase
3. Enhance root formation.
4. Increase root uptake of soil nutrients.
5. Quick absorption of nutrients by foliage.
6. Increase tolerance against fungal and bacterial diseases.
7. Protects plants from fungal and bacterial diseases.
8. Increase **20-30% productivity**.
9. Greatly enhance quality (colour, shelf life, fragrance, etc.) of produce.
10. No residual effect on soil water of no toxicity on any part of crop or produce.

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